



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO: Brian Kelly; Lorie Hong

REF. NO.: 32664

FROM: Marc Gaudet

EMJ for MG

DATE: August 26, 2003

C.C.: Ian Kerr; Bob Schloesser; Liz Faler

RE: Air Monitoring
Sybill, Inc. Site
Detroit, Michigan



INTRODUCTION

Further to your request, Conestoga-Rovers & Associates (CRA) has prepared this memorandum regarding air monitoring conducted by CRA at the former Sybill, Inc. Site located in Detroit, Michigan (Site). More specifically, this memorandum addresses the organic vapor concentration measurements collected as part of the air monitoring activities for the site.

ADHERENCE TO WORK PLAN REQUIREMENTS

As you are aware, the Work Plan calls for measuring organic vapor concentrations downwind of the perimeter of the exclusion zone once every half-hour during waste material consolidation/bulking activities and bulk loading of waste materials for off-Site disposal/recycling or additionally as determined by CRA's Health and Safety Officer. The Work Plan further stipulates that CRA's Health and Safety Officer will be responsible for air monitoring to prevent adverse off-site impact.

There has only been one occasion where waste material consolidation/bulking activities have been conducted at the Site, through our last meeting date of August 21, 2003. This was related to the removal of oil and oily water from the Process Building floor. During these activities, air monitoring was conducted downwind of the perimeter of the exclusion zone as called for in the Work Plan. It was during these air monitoring activities that elevated concentrations of VOCs were detected resulting in an immediate shut down of site activities. Further investigation revealed that the elevated VOC detections were from an off-Site source and were not related to the removal of oil and oily water from the Process Building Floor. On this basis, operations resumed along with air monitoring activities. No other waste material consolidation/bulking activities or bulk loading of waste materials for off-site disposal have been conducted at the Site to date.

BACKGROUND MONITORING AND EQUIPMENT EVALUATION

CRA's HSO has diligently conducted background air monitoring every morning since August 7, 2003. The purpose of this monitoring largely has been to ensure the protection of the health and safety of the workers in the exclusion zone during sampling activities. It has also provided background concentrations of VOCs during removal of waste oil and oily water from the Process Building as discussed previously. Although not required by the Work Plan, CRA's HSO has also monitored the presence of VOCs at the perimeter of the exclusion zone on a regular basis regardless of whether or not waste material consolidation/bulking activities were being conducted. The purpose of the additional monitoring activities was to establish equipment reliability and the presence of VOC emissions originating at off site locations. It has been during these monitoring activities, which are not specifically required by the Work Plan, that CRA has encountered issues with PID reliability.

CRA initially used a Multi-Rae instrument from August 7, 2003, to mid-day on August 12, 2003. With the exception of readings from August 12, 2003, all background readings measured during this time ranged from 0 part per million (ppm) to 4.6 ppm. Background readings with this monitor ranged from 0.2 ppm to 322 ppm for the first part of August 12, 2003, although the readings were suspect due to high humidity interfering with the instrument lamp bulb.

In an attempt to resolve instrument interference caused by humidity, CRA switched to a PhotoVac instrument mid-day on August 12, 2003 and continued to use this instrument on August 13, 2003. Background readings during this time ranged from 51.4 ppm to 64.3 ppm. Again, the readings were suspect due to the high humidity.

On August 14, 2003, CRA again switched to a more precise monitoring instrument, a PPB RAE, which reads organic vapor concentrations in parts per billion (ppb). CRA continues to utilize this monitoring instrument as it has demonstrated better reliability during humid weather.

CONCLUSION

In summary, CRA has taken it's responsibility for air monitoring to prevent adverse off-site impact seriously as evidenced by efforts to demonstrate monitoring equipment reliability through the collection of air monitoring data beyond that of which is required by the Work Plan. CRA will continue to evaluate the reliability of the instruments used to identify potential off-site impacts.

It is emphasized that the requirements of the Work Plan are being adhered to and that at no time has the air monitoring conducted by CRA compromised the exposure of workers and subcontractors or potential off-Site receptors. The air monitoring conducted to date has allowed CRA to evaluate air monitoring equipment to ensure its reliability as we move into project tasks that represent an elevated potential for VOC emissions (waste consolidation/bulking and loading for off-site disposal).

All air monitoring conducted to date, as documented in the HSO's Daily Air Monitoring Logsheet, is included as an attachment for your information.



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 09-25-08 Performed by: Russell Aylsworth

Project Name: S4Bill Inv Project Number: 032664-30

Instrument Identification/Serial Number

PID: PPB RAE PGM 7245 LEL/O₂: QRAE V02660X

H₂S: QRAE V02660X DUST: MIE Mini LAM V00706X

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0700	AMS#1 BACK	W 0-3	0	.14	0	21.3	0
0702	AMS#2		0	.11	0	21.3	0
0704	AMS#3		0	.00	0	21.3	0
0706	AMS#4		0	.03	0	21.3	0
0708	AMS#5		0	.05	0	21.3	0
0712	AMS#6		0	.00	0	21.3	0
0714	AMS#7 TR		0	.00	0	21.3	0
0716	AMS#8 BACK TRAFFIC		0	.16	0	21.3	0
0720	BZ		0	.01	0	21.3	0
0750	BZ	W 0.5-5	0	.00	0	21.4	0
0720	BZ		0	.00	0	21.4	0
0750	BZ		0	.00	0	21.4	0
1000	AMS#1		0	.08	0	21.4	0
1002	AMS#2		0	.00	0	21.3	0
1003	AMS#3		0	.00	0	21.4	0
1004	AMS#4		0	.00	0	21.4	0
1005	AMS#5		0	.00	0	21.3	0
1009	AMS#6		0	.00	0	21.4	0
1011	AMS#7		0	.00	0	21.4	0
1013	AMS#8		0	.00	0	21.4	0
1020	BZ		0	.00	0	21.4	0

KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone

WZ - Ambient air in work zone

Back - Background reading in clean environments

CR - Contact reading on specific media

EZ - Exclusion zone boundary reading

Dust meter 0 = 3.74



DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

FID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	FID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
1050	BZ	WNW @ 0-10	0	.00	0	21.4	0
1120	BZ		0	.00	0	21.4	0
1150	BZ		0	.00	0	21.4	0
1200	AMS#1		0	.01	0	21.4	0
1202	AMS#2		0	.00	0	21.4	0
1204	AMS#3		0	.00	0	21.4	0
1206	AMS#4		0	.00	0	21.4	0
1208	AMS#5		0	.00	0	21.4	0
1211	AMS#6		0	.00	0	21.4	0
1213	AMS#7		0	.00	0	21.4	0
1215	AMS#8		0	.00	0	21.4	0
1220	BZ		0	.00	0	21.4	0
1250	BZ		0	.00	0	21.3	0
1320	BZ	WSE @ 10-15	0	.01	0	21.3	0
1350	BZ		0	.01	0	21.3	0
1400	AMS#7		0	.02	0	21.2	0
1402	AMS#2		0	.02	0	21.2	0
1404	AMS#3		0	.00	0	21.2	0
1406	AMS#4 TRAFFIC		0	.08	0	21.2	0
1408	AMS#5		0	.02	0	21.2	0
1412	AMS#6		0	.00	0	21.2	0

KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	FID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
1414	AMS#7	WSW 10-15	0	.04	0	21.2	0
1416	AMS#8		0	.06	0	21.2	0
1420	EZ		0	.02	0	21.2	0
1456	EZ		0	.02	0	21.3	0
1502	EZ		0	.02	0	21.8	0
1509	EZ		0	.02	0	21.5	0
1600	AMS#1		0	.04	0	21.4	0
1602	AMS#2		0	.02	0	21.5	0
1604	AMS#3		0	.00	0	21.5	0
1606	AMS#4		0	.02	0	21.5	0
1608	AMS#5		0	.00	0	21.5	0
1612	AMS#6		0	.02	0	21.5	0
1614	AMS#7		0	.00	0	21.5	0
1616	AMS#8		0	.00	0	21.5	0

KEY FOR ABBREVIATIONS:

- BZ - Workers breathing zone
- WZ - Ambient air in work zone
- Back - Background reading in clean environments
- CR - Contact reading on specific media
- EZ - Exclusion zone boundary reading



22nd Mt

DAILY AIR-MONITORING LOGSHEET

Date: 08-21-03 Performed by: Russell Hylsworth

Project Name: Bill INC Project Number: 032664-30

Instrument Identification/Serial Number

PID: PPB RAE PGM 7240 LEL/O₂: RAE V02660X

H₂S: RAE V02660X DUST: MIE Mini RAM V0706X

Time	Location/Comments	Wind From	PID VOCS (ppb)	DUST (ug/m ³)	LEL	O ₂	H ₂ S (ppm)
0800	AMS#1 BACK	NNE@50	0	.27	0	21.4	0
0802	AMS#2		0	.22	0	21.4	0
0804	AMS#3		0	.02	0	21.4	0
0806	AMS#4		0	.14	0	21.4	0
0808	AMS#5 TRAFFIC		0	.18	0	21.4	0
0812	AMS#6		0	.16	0	21.5	0
0814	AMS#7		0	.17	0	21.5	0
0816	AMS#8 BACK		0	.21	0	21.5	0
1000	AMS#1		0	.00	0	21.5	0
1002	AMS#2		0	.01	0	21.3	0
1004	AMS#3		0	.03	0	21.3	0
1006	AMS#4		0	.01	0	21.3	0
1008	AMS#5		0	.03	0	21.3	0
1013	AMS#6		0	.01	0	21.3	0
1015	AMS#7		0	.03	0	21.3	0
1017	AMS#8		0	.05	0	21.3	0
1230	AMS#1	0	.00	0	21.5	0	
1232	AMS#2 TRAFFIC	0	.14	0	21.5	0	
1234	AMS#3	0	.06	0	21.5	0	
1236	AMS#4	0	.03	0	21.5	0	
1238	AMS#5	0	.00	0	21.5	0	

KEY FOR ABBREVIATIONS:

WZ - Windless breathing zone

CR - Contact reading on specific monitor

WZ - Ambient air in work zone

EX - exclusion zone boundary reading

Back - Background reading in clean environments

DUST MONITOR 0 = 320
VOCS ARE PPB ÷ 10³ OR 1000 TO GET PPM



DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Date	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)	
1242	AMS#6	WNW 10	0	.08	0	21.5	0	
1244	AMS#7		0	.00	0	21.4	0	
1246	AMS#8		0	.06	0	21.5	0	
1248	EZ CANNOT GET DIRECTLY DN. WIND. Q.M. AT ENTRANCE OF BLDG DURING CONSOLIDATION OPERATION		WNW 10	0	.00	0	21.5	0
1314	EZ	WNW 15	0	0.00	0	21.5	0	
1347	EZ		0	.00	3	21.8	0	
1415	EZ		0	.00	2	21.7	0	
1430	EZ AMS#1		0	.00	0	21.5	0	
1432			AMS#2	0	.03	0	21.5	0
1434	AMS#3		0	.02	0	21.5	0	
1436	AMS#4		0	.00	0	21.5	0	
1438	AMS#5		0	.00	0	21.5	0	
1442	AMS#6		0	.00	0	21.5	0	
1446	AMS#7		WNW 10-15	0	.00	0	21.5	0
1448	AMS#8			0	.00	0	21.5	0
1450	EZ	0			2	21.6	0	
1520	EZ		0	.00	1	21.6	0	
1550	EZ		0	.00	1	21.6	0	

KEY FOR ABBREVIATIONS:

WZ - workers breathing zone

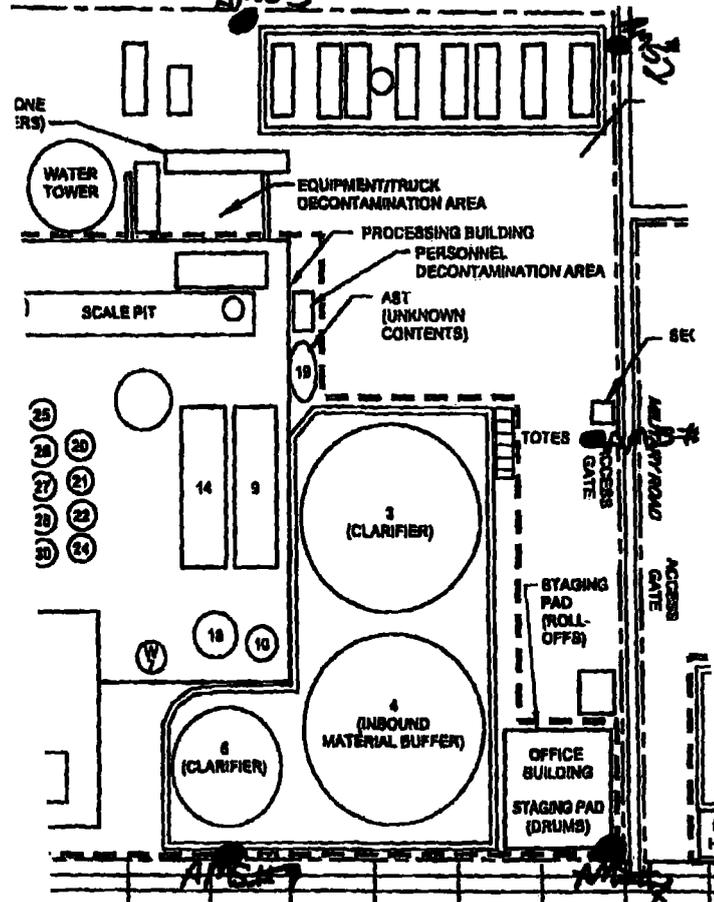
C.R. - Contact reading on specific media

AZ - Ambient air in work zone

EZ - Exclusion zone boundary reading

Back - Background reading in clean environments

ATED EMERGENCY
49 LOCATION



EGEND

- < CLUSION ZONE
- INCED PROPERTY
- INTAINMENT WALL
- UCK TANKER/TRAILER
- IL ROAD

NOTE: SITE PLAN COULD CHANGE AS DIFFERENT TASKS ARE COMPLETED



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 08-21-03 Performed by: Russell Aylsworth

Project Name: SyBill INC Project Number: 082604-30

Instrument Identification/Serial Number

PID: PPB RAE PGM 7240 LEL/O₂: QRAE V02660X

H₂S: QRAE V02660X DUST: MIE MINI RAM V00706X

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
0715	SWEEP OF BZL BACK	SWEEP	0	5.42	0	21.5	0
0718	AMS#1 BACK		0	5.82	0	21.5	0
0720	AMS#2		0	6.31	0	21.5	0
0722	AMS#3		0	7.15	0	21.4	0
0724	AMS#4 TRAFFIC		0	7.44	0	21.4	0
0726	AMS#5 TRAFFIC		0	7.61	0	21.4	0
0730	AMS#6		0	7.13	0	21.4	0
0732	AMS#7		0	7.62	0	21.4	0
0734	AMS#8		0	7.89	0	21.4	0
0739	EZ VACING AST'S		0	6.94	0	21.4	0
0800	EZ " "		0	5.83	0	21.4	0
0830	EZ " "		0	6.64		21.4	
0900	EZ " "		0	5.98	0	21.4	0
0905	AMS#1		0	6.79	0	21.6	0
0907	AMS#2		0	6.57	0	21.6	0
0909	AMS#3		0	6.51	0	21.5	0
0911	AMS#4 TRAFFIC		0	7.89	0	21.5	0
0913	AMS#5 TRAFFIC		0	7.54	0	21.5	0
0917	AMS#6 TRAFFIC		0	7.22	0	21.5	0
0919	AMS#7		0	6.87	0	21.5	0
0921	AMS#8		0	7.64	0	21.5	0

KEY FOR ABBREVIATIONS:

NOTE WIND ARE GUSTING THIS SHOULD
ACCOUNT FOR FLUCTUATING JUST READING
STE AST'S ARE IN PROCESS BLDG.

BZ - Workers breathing zone
WZ - Ambient air in work zone

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading

Back - Background reading in clean environments

0.00 DUST METER = 2.64
PID IS IN PPM ÷ 10³ OR 1000 TO GET PPM
+ SUSPECT VAC TRUCK EMISSIONS



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
0905	BZ VACUING AST'S	WSW 10	0	8.19	0	21.4	0
0950	NEW ZERO ON DUST METER IS 2.96. Cleared lens & rezeroed						
1000	BZ VACUING AST'S VACTEK NOT RUNNING UP WIND	WSW 10-12	0	6.42	0	21.4	0
			0	.15	0	21.6	0 RA
1030	BZ VACUING AST'S	WSW 10-12	0	.15	0	21.6	0
1115	AMS#1	WSW 10-12	0	.14	0	21.6	0
1117	AMS#2		0	.17	0	21.6	0
1119	AMS#3		0	.13	0	21.6	0
1121	AMS#4 TRAFFIC		0	.11	0	21.6	0
1123	AMS#5		0	.09	0	21.6	0
1126	AMS#6		0	.23	0	21.5	0
1128	AMS#7		0	.05	0	21.5	0
1130	AMS#6		0	.03	0	21.5	0
1132	BZ		0	.03	0	21.5	0
1300	AMS#1		0	.11	0	21.5	0
1302	AMS#2		0	.08	0	21.5	0
1304	AMS#3		0	.12	0	21.5	0
1306	AMS#4		0	.11	0	21.5	0
1308	AMS#5		0	.16	0	21.5	0
1312	AMS#6		0	.09	0	21.5	0
1314	AMS#7		0	.11	0	21.5	0

KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

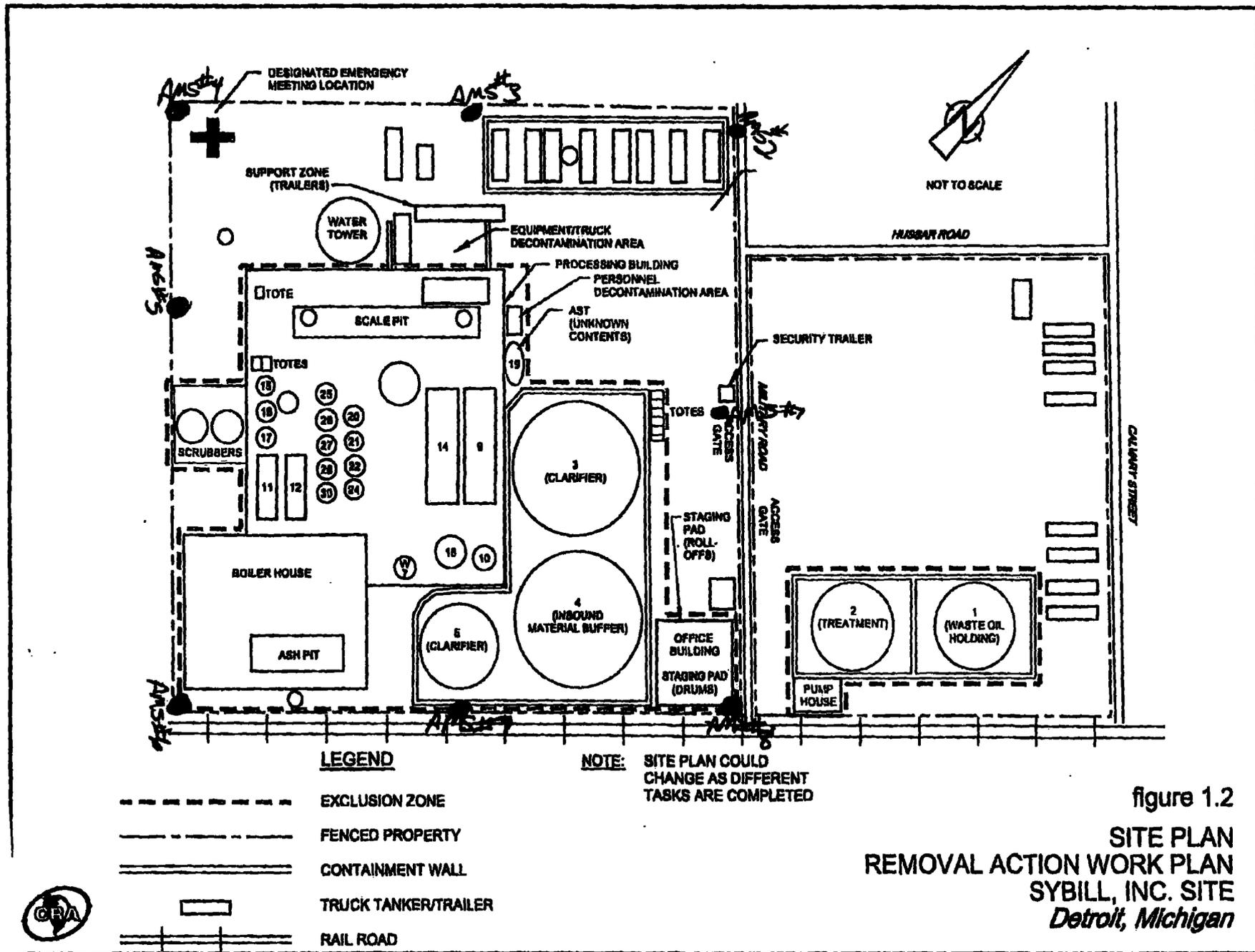
H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
1316	AMS#8	W 10-15	0	.14	0	21.5	0
1318	10 Sweep around tank						
1319	across street downwind	CONTACT READING					
1320	CONTACT SLUDGE SPOT	WSW @ 15-20	0	.72	0	21.5	0
1321	CONTACT @ LEAKING VALVE		0	.68	0	21.5	0
1322	BZ		0	.70	0	21.5	0
1323	WZ	WSW 15-20	0	.66	0	21.5	0
1336	PROCESS BLDG EZ	WSW 15-20	0	.33	0	21.7	0
1400	" "		0	.28	0	21.7	0
1430	" "		0	.24	0	21.7	0
1505	AMS#1	WSW @ 15-20	0	.20	0	21.5	0
1507	AMS#2		0	.32	0	21.5	0
1509	AMS#3		0	.22	0	21.6	0
1511	AMS#4		0	.20	0	21.5	0
1513	AMS#5		0	.18	0	21.5	0
1517	AMS#6		0	.24	0	21.5	0
1519	AMS#7		0	.20	0	21.5	0
1521	AMS#4		0	.22	0	21.5	0
1524	EZ		0	.30	0	21.5	0

KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



LEGEND

- EXCLUSION ZONE
- - - - - FENCED PROPERTY
- ==== CONTAINMENT WALL
- ▭ TRUCK TANKER/TRAILER
- ||| RAIL ROAD

NOTE: SITE PLAN COULD CHANGE AS DIFFERENT TASKS ARE COMPLETED

figure 1.2
SITE PLAN
REMOVAL ACTION WORK PLAN
SYBILL, INC. SITE
Detroit, Michigan



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 08-20-03 Performed by: Russell Aylsworth

Project Name: SyBill Inc Project Number: 032664-30

Instrument Identification/Serial Number

PID: PPB RAE PCM 7240 LEL/O₂: QRAE V22660UX

H₂S: QRAE V22660UX DUST: mic. MINI RAN UC0706X

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
0720	AMS#1 BACK	CAIM	0	3.29	0	20.9	0
0722	AMS#2 BACK	CAIM	0	4.48	0	20.9	0
0724	AMS#3 BACK	CAIM	0	4.92	0	20.9	0
0726	AMS#4 BACK	S@5.2PM	0	4.90	0	20.9	0
0729	AMS#5 BACK		0	5.43	0	20.9	0
0732	AMS#6 BACK *	S@5	327	5.31	0	20.9	0
0735	AMS#7 BACK *	S@5	244	5.49	0	20.9	0
0737	AMS#6 BACK *	S@5	209	5.67	0	20.9	0
0910	AMS#1	S@483	0	5.70	0	20.9	0
0912	AMS#2	S@435	0	5.80	0	20.9	0
0914	AMS#3 2 TRUCKS RUNNING		0	6.48	0	20.9	0
0916	AMS#4 TRAFFIC		0	5.78	0	20.9	0
0919	AMS#5 TRAFFIC		0	4.17	0	20.9	0
0922	AMS#8 TRAFFIC		0	7.76	0	20.9	0
0924	AMS#7		0	4.86	0	20.9	0
0926	AMS#6 TRAFFIC		0	5.21	0	20.9	0
1107	AMS#1	W S@5	0	3.79	0	20.9	0
1109	AMS#2 VICTOR RUNNING		0	2.76	0	20.9	0
1111	AMS#3		0	3.62	0	20.9	0
1113	AMS#4		0	1.83	0	20.9	0
1115	AMS#5		0	1.67	0	20.9	0

KEY FOR ABBREVIATIONS:

NOTE VOC'S ARE PPB ÷ 10³ OR 1000 TO GET PPM
IF POSSIBLE HADY. INTERFERENCE ON PID READINGS

BZ - Workers breathing zone

WZ - Ambient air in work zone

Back - Background reading in clean environments

*ACTIVITY OF METALS PHANT TOOLS

CR - Contact reading on specific media

EZ - Exclusion zone boundary reading

ZERO ON RST/MAPR MONITOR = 2.56

0922 AMST#4 SEVERAL CSX TRUCKS PASSING ON RR ROW



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

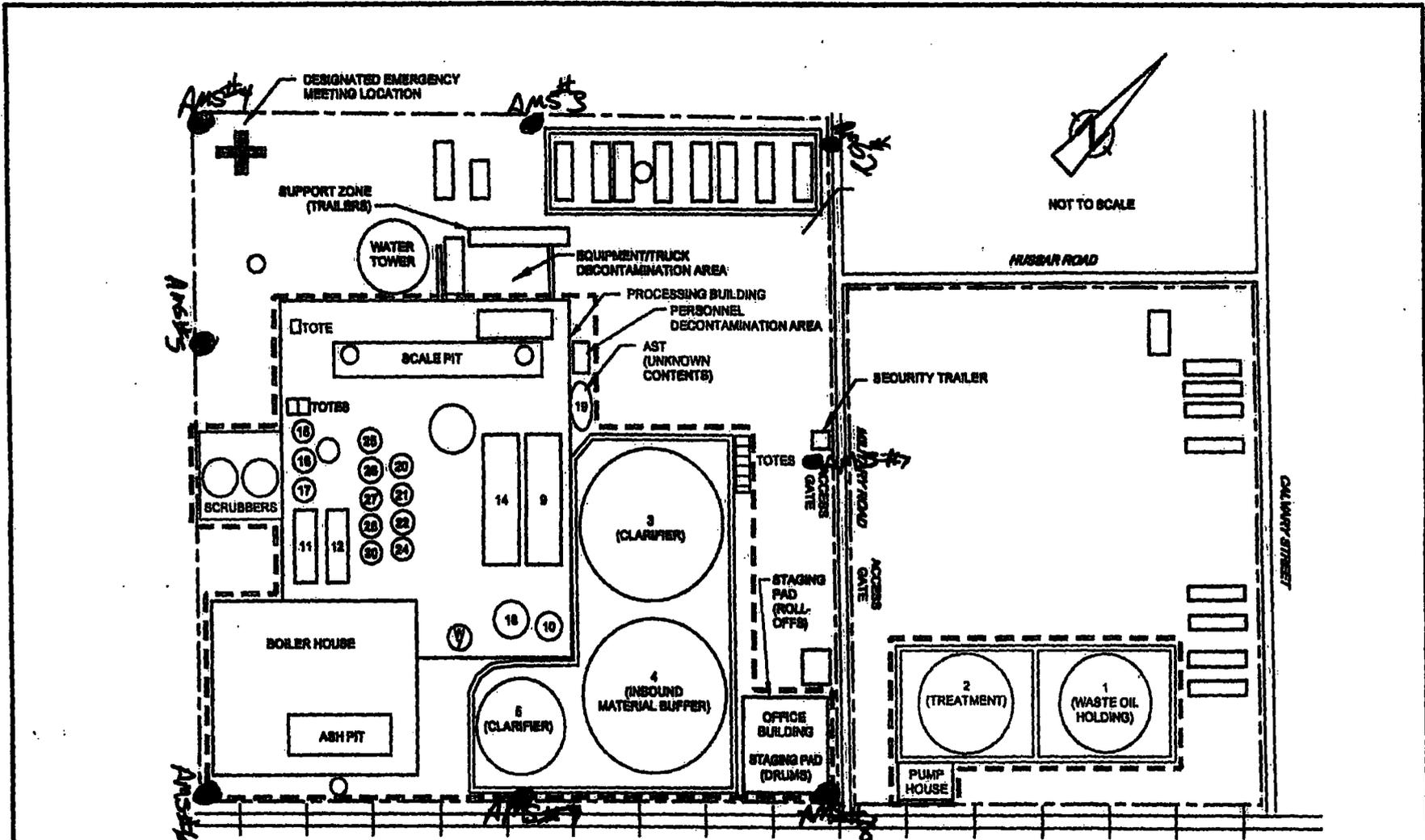
H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
1119	AMS#8	WSW@3	0	4.63	0	20.9	0
1121	AMS#7		0	2.81	0	20.9	0
1123	AMS#6	WSW@3	0	3.04	0	20.9	0
1320	AMS#1	WSW@3S	0	3.66	0	20.9	0
1322	AMS#2		0	3.28	0	20.9	0
1324	AMS#3		0	3.48	0	20.9	0
1326	AMS#4		0	1.89	0	20.9	0
1328	AMS#5		0	2.13	0	20.9	0
1331	AMS#8		0	4.43	0	20.9	0
1333	AMS#7		0	3.19	0	20.9	0
1335	AMS#6		0	3.29	0	20.9	0
1525	AMS#1		S@3S	0	2.84	0	20.9
1527	AMS#2		0	3.85	0	20.9	0
1529	AMS#3		0	4.86	0	20.9	0
1533	AMS#4 TRAFFIC VAC TRK RUNNING		0	5.32	0	20.9	0
1535	AMS#5 TRAFFIC VAC TRK RUNNING		0	4.68	0	20.9	0
1539	AMS#8 TRAFFIC		0	4.06	0	20.9	0
1542	AMS#7		0	3.41	0	20.9	0
1544	AMS#6		0	3.87	0	20.9	0

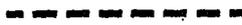
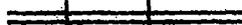
KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



LEGEND

-  EXCLUSION ZONE
-  FENCED PROPERTY
-  CONTAINMENT WALL
-  TRUCK TANKER/TRAILER
-  RAIL ROAD

NOTE: SITE PLAN COULD CHANGE AS DIFFERENT TASKS ARE COMPLETED

figure 1.2
SITE PLAN
REMOVAL ACTION WORK PLAN
SYBILL, INC. SITE
Detroit, Michigan





**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 08-19-03 Performed by: Russell Aylsworth

Project Name: Sybil Inc Project Number: 032664-30

Instrument Identification/Serial Number

PID: PPB RAE PGM 7240 LEL/O₂: QRAE V0266dx

H₂S: QRAE V0266dx DUST: MIG Mini RAM V0706dx

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)	
0713	AMS#1 BACK	None	0	4.43	0	21.2	0	
0715	AMS#2 TRAFFIC BACK		0	3.69	0	21.2	0	
0717	AMS#3 INLAND TRUCK RUNNING		0	4.61	0	21.3	0	
0719	AMS#4 TRAFFIC BACK		0	4.44	0	21.3	0	
0721	AMS#5 TRAFFIC BACK		0	3.94	0	21.3	0	
0724	AMS#8 TRAFFIC BACK		0	3.49	0	21.5	0	
0726	AMS#7 BACK		0	3.62	0	21.8	0	
0728	AMS#6 BACK TRAFFIC BACK		None	0	3.72	0	21.3	0
0905	AMS#1 TRAFFIC		MINIMAL A-2 MPH	0	3.57	0	20.9	0
0907	AMS#2 TRAFFIC			0	3.97	0	20.9	0
0909	AMS#3 INLAND TRUCK RUNNING			0	1.68	0	20.9	0
0911	AMS#4	0		2.02	0	20.9	0	
0913	AMS#5 TRUCKS RUNNING WIND	0		5.55	0	20.9	0	
0917	AMS#8 TRAFFIC	0		3.67	0	20.9	0	
0919	AMS#7	0		3.23	0	20.9	0	
0921	AMS#6 TRAFFIC	0		4.88	0	20.9	0	
1107	AMS#1 TRAFFIC	CRIM		0	4.21	0	21.1	0
1109	AMS#2 TRAFFIC	SIGHT W SW 1-3		0	3.66	0	21.0	0
1111	AMS#3 TRAFFIC VAC TRUCK RUNNING	MPH		0	3.84	0	20.9	0
1113	AMS#4 TRAFFIC		0	2.67	0	20.9	0	
1115	AMS#5 TRAFFIC		0	3.42	0	21.1	0	

KEY FOR ABBREVIATIONS:

NOTE VOC'S ARE PPB ÷ 1000 OR 10³ TO GET PPM

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments
AMS = AIR MONITORING STATION

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
1118	AMS#8 TRAFFIC		0	3.64	0	20.9	0
1120	AMS#7		0	3.26	0	20.9	0
1123	AMS#6 TRAFFIC		0	3.42	0	20.9	0
1255	AMS#1	S005	0	2.58	0	20.9	0
1257	AMS#2 VACTRUCK RUNNING	S005	0	1.48	0	20.9	0
1259	AMS#3 VACTRUCK RUNNING		0	5.01	0	20.9	0
1302	AMS#4		0	2.61	0	20.9	0
1304	AMS#5		0	1.84	0	20.9	0
1308	AMS#8 TRAFFIC & METASPINT		0	2.64	0	20.9	0
1310	AMS#7		0	2.03	0	20.9	0
1312	AMS#6 HWY TRUCK TRAFFIC		0	2.99	0	20.9	0
1500	AMS#1		0	5.56	0	21.3	0
1502	AMS#2 VACTRUCK RUNNING		0	4.74	0	21.3	0
1504	AMS#3 VACTRUCK RUNNING		0	4.27	0	21.3	0
1506	AMS#4		0	3.04	0	21.3	0
1508	AMS#5		0	2.17	0	21.3	0
1512	AMS#8		0	1.67	0	21.3	0
1514	AMS#7		0	1.43	0	21.3	0
1516	AMS#6		0	2.68	0	21.3	0

KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone

WZ - Ambient air in work zone

Back - Background reading in clean environments

CR - Contact reading on specific media

EZ - Exclusion zone boundary reading

Paint order from MOTAS plant
100925.5 of location



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 08-18-03 Performed by: Russell Aylsworth

Project Name: SC Bill F.R. Project Number: 032604-30

Instrument Identification/Serial Number

PID: PPBRAE PGM 7240 LEL/O₂: QRAE V026604X

H₂S: QRAE V026604X DUST: mic mini RAM v00706X

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
0800	AMS#1 BACK	SE@3	0	2.15	0	20.9	0
0802	AMS#2 BACK		0	2.67	0	20.9	0
0803	AMS#3 BACK		0	2.56	0	20.9	0
0805	AMS#4 BACK TRUCK TRAFFIC		0	3.41	0	20.9	0
0807	AMS#5 BACK TRUCK TRAFFIC		0	3.33	0	20.9	0
0811	AMS#8 BACK		0	3.64	0	20.9	0
0813	AMS#7 BACK		0	3.11	0	20.9	0
0815	AMS#6 BACK TRUCK TRAFFIC	SE@3	0	3.49	0	20.9	0
1000	AMS#1 TRAFFIC	SE@5	0	2.90	0	20.9	0
1002	AMS#2 TRAFFIC		0	1.22	0	20.9	0
1004	AMS#3		0	1.04	0	20.9	0
1006	AMS#4 TRAFFIC		0	3.28	0	20.9	0
1008	AMS#5 TRAFFIC		0	3.22	0	20.9	0
1012	AMS#8 TRAFFIC		0	3.46	0	20.9	0
1014	AMS#7		0	2.64	0	20.9	0
1016	AMS#6 TRAFFIC		0	3.37	0	20.9	0
No activity at this time. 1200 will do readings @ 1300 AFTER LUNCH							
1310	AMS#1	SE@5	0	3.10	0	20.9	0
1312	AMS#2		0	1.39	0	20.9	0
1314	AMS#3		0	3.29	0	20.9	0
1316	AMS#4		0	2.32	0	20.9	0

KEY FOR ABBREVIATIONS:

NOTE PID READINGS ARE PPB NOT PPM ÷ 10³ OR 1000 TO GET PPM

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading





**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 08-14-03 Performed by: Russell A/SWORTH

Project Name: SyBill INC Project Number: 032664-30

Instrument Identification/Serial Number

PID: PPBRAE PGM 7240 ^{U00097X} LEL/O₂: QRAE U02660X

H₂S: QRAE U02660X DUST: Mie MILI RAM U00706X

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm) PPM
0740	AMS#1 BACK	U1000S	0	1.96	0	21.3	0
0742	AMS#2 TRAFFIC BACK		0	3.26	0	21.3	0
0744	AMS#3 GEN. RUNNING BACK		0	3.88	0	21.3	0
0746	AMS#4 TRAFFIC BACK		0	3.73	0	21.3	0
0748	AMS#5 TRAFFIC		0	2.35	0	21.3	0
0753	AMS#6 TRAFFIC BACK		0	2.31	0	21.3	0
0755	AMS#7 BACK		0	2.26	0	21.3	0
0757	AMS#6 TRAFFIC		0	4.55	0	21.3	0
NOTE AMS# 6, 7, 8, 1, 2 will have higher reading when metals							
540P	100YDS TO OUR S SE IN OPERATION						
S-SERA			STIGHT ALIVE				
0950	AMS#1	SSEWSE	0	1.64	0	20.9	0
0952	AMS#2 TRAFFIC		0	4.61	0	20.9	0
0954	AMS#3 GEN. RUNNING		0	2.51	0	20.9	0
0956	AMS#4 TRAFFIC	E@4M	0	5.52	0	20.9	0
0958	AMS#5 TRAFFIC	@02	0	4.37	0	20.9	0
1003	AMS#6 TRAFFIC		0	3.27	0	20.9	0
1005	AMS#7		0	2.64	0	20.9	0
1007	AMS#6 TRAFFIC		0	2.87	0	20.9	0
1212	AMS#1 TRAFFIC		0	3.55	0	20.9	0
1214	AMS#2		0	4.63	0	20.9	0

KEY FOR ABBREVIATIONS:

NOTE VOC'S ARE PPB ÷ 10³ OR
1000 TO GET PPM

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

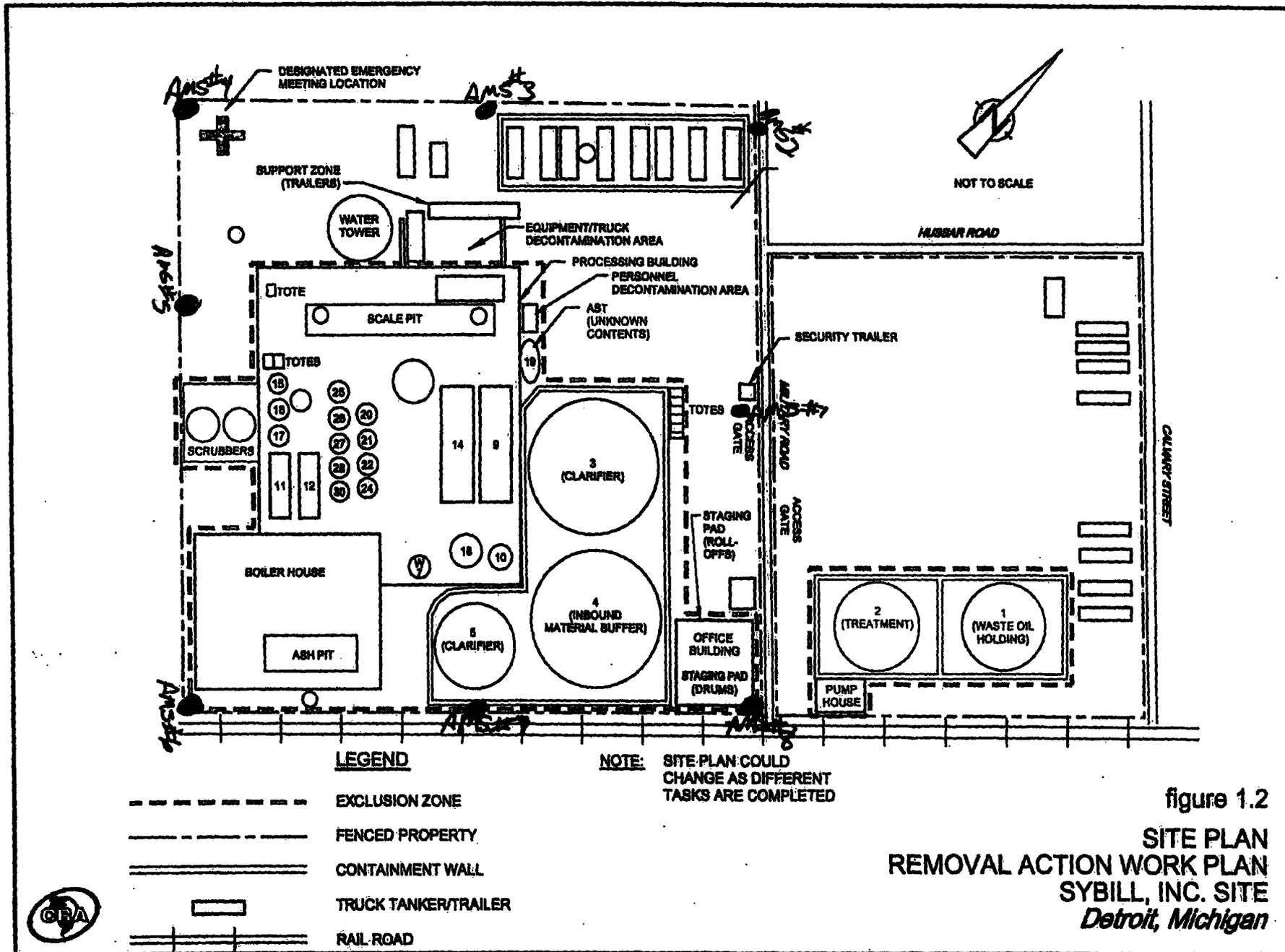
H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppb)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppb)
1216	AMS#3	SSSE	0	3.03	0	20.9	0
1219	AMS#4 TRAFFIC	SSSE	0	4.00	0	20.9	0
1220	AMS#5	SSSE	0	1.75	0	20.9	0
1224	AMS#4 TRAFFIC		0	2.34	0	20.9	0
1226	AMS#7 TRAFFIC		0	2.10	0	20.9	0
1228	AMS#6 TRAFFIC		0	3.62	0	20.9	0
1400	AMS#1		0	2.59	0	21.3	0
1402	AMS#2		0	1.24	0	21.2	0
1404	AMS#3 ACOUNTER BURNING		0	4.78	0	21.1	0
1408	AMS#4 TRAFFIC		0	5.12	0	21.1	0
1410	AMS#5 TRAFFIC		0	5.15	0	21.1	0
1413	AMS#8		0	4.46	0	21.1	0
1415	AMS#7		0	3.27	0	21.1	0
1417	AMS#1		0	5.12	0	21.1	0
	FINISHED WORKING @ 1540						

KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



LEGEND

- EXCLUSION ZONE
- - - - - FENCED PROPERTY
- ==== CONTAINMENT WALL
- ▭ TRUCK TANKER/TRAILER
- ▬ RAIL ROAD

NOTE: SITE PLAN COULD CHANGE AS DIFFERENT TASKS ARE COMPLETED

figure 1.2
SITE PLAN
REMOVAL ACTION WORK PLAN
SYBILL, INC. SITE
Detroit, Michigan



CONESTOGA-ROVERS & ASSOCIATES

DAILY AIR-MONITORING LOGSHEET

Date: 08-13-03

Performed by: Russell A/SWORTH

Project Name: SYBILL INC

Project Number: 032664-30

Instrument Identification/Serial Number
 PE PHOTO VAC
 PID: ~~MULTI PNE 50317~~ LEL/O₂: ~~MULTI PNE 50317~~ MSA PASS PORT
 MSA PASS PORT
 H₂S: ~~MULTI PNE 50317~~ DUST: MINI RAM PDM-SNS-U00706

Time	Location/Comments	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0800	AMS#1 BACK	CAIM	64.3	2.02	0	21.3	0
0802	AMS#2		61.8	2.52	0	21.6	0
0804	AMS#3 GEN. RUNNING		60.7	3.5	0	21.6	0
0806	AMS#4		56.5	3.03	0	21.6	0
0808	AMS#5		51.4	3.36	0	21.6	0
0813	AMS#8		53.4	3.15	0	21.6	0
0815	AMS#7		52.2	3.11	0	21.6	0
0817	AMS#6 BACK	CAIM	52.8	3.24	0	21.6	0
1150	AMS#1 SUNNY		0.0	2.56	0	21.4	0
1152	AMS#2		0.0	1.71	0	21.4	0
1154	AMS#3 DTE TRK RUNNING		0.0	3.82	0	21.4	0
1156	AMS#4		0.0	3.31	0	21.5	0
1158	AMS#5 TRAFFIC		0.0	4.70	0	21.6	0
1203	AMS#8		0.0	3.42	0	21.5	0
1205	AMS#7		0.0	2.98	0	21.5	0
1207	AMS#6 TRAFFIC	CAIM	0.0	3.76	0	21.5	0
SAMPLE CREW USING PID & 4 GAS MONITORS TILL 1600 END OF DAY							
NEW PID CHARGING WILL RESUME TOMORROW TO FULL AND TIMELY							
PERIMETER MONITORING							

KEY FOR ABBREVIATIONS:

BZ - Workers breathing zone

WZ - Ambient air in work zone

Back - Background reading in clean environments

CR - Contact reading on specific media

EZ - Exclusion zone boundary reading

102WK W R1D6

VERY HUMID MUGGY NO AIR MOVEMENT
 METALS PLANT IS NOT OPEN YET 100 YDS SE OF MY LOCATION



CONESTOGA ROVERS & ASSOCIATES

DAILY AIR-MONITORING LOGSHEET

Date: 08-12-03

Performed by: Russell Aylsworth

Project Name: 54 Bill Inc

Project Number: 032604-30

Instrument Identification/Serial Number

PID: MULTI RAE 50317

LEL/O₂: MULTI RAE 50317

H₂S: MULTI RAE 50317

DUST: MINI RAM PDM SUS-0057

Time	Location/Comments	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0720	AMS#1 BASELINE	NNEWS	0.2	2.23	0	20.8	0
0722	AMS#2		1.3	2.44	0	20.8	0
0724	AMS#3 GEN. RUNNING		1.5	2.54	0	20.8	0
0726	AMS#4 TRAFFIC ON STREET		1.6	2.67	0	20.8	0
0728	AMS#5		0.8	2.42	0	20.8	0
0731	AMS#6		1.3	2.38	0	20.8	0
0733	AMS#7		0.8	2.44	0	20.8	0
0735	AMS#6		0.6	2.53	0	20.8	0
0729	EZ NWSIDE		0.6	1.86	0	20.8	0
0930	AMS#1 BACK	E@10	93.8	2.64	1	20.7	0
0932	AMS#2 BACK	E	92.5	2.47	1	20.7	0
0935	AMS#3 BACK	E	102	2.53	1	20.7	0
0937	AMS#4 BACK	E	116	2.48	1	20.7	0
0939	AMS#5 BACK	E	106	1.97	1	20.7	0
0942	AMS#6 BACK	NNE	123	3.81	1	20.7	0
0944	AMS#7 BACK	NNE	89.7	2.64	1	20.7	0
0946	AMS#6 BACK	NNE	94.4	2.28	1	20.7	0
NOTE:	SUSPECT READINGS COMING FROM METALS PLANT						
	100 YDS SE OF OUR LOCATION. 1ST SET OF BACKGROUND READINGS						
	BEFORE METALS PLANT OPENED 2ND SET AFTER PLANT OPENED						
	ALL READINGS SUSPECT POSSIBLE BAD PID						

KEY FOR ABBREVIATIONS:

EZ - Workers breathing zone

WZ - Ambient air in work zone

Back - Background reading in clean environments

CR - Contact reading on specific media

EZ - Exclusion zone boundary reading



DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

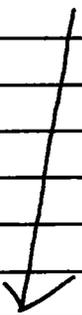
Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0905	^{2ND EZ BACK} EZ NE side of Access Rd	UNE	106	0.95	1	20.7	0
	Discussed difference in reading to Liz Falter & decided to use 2nd set of readings. See note on previous pg						
0935	EZ NWSIDE OF ACCESS RD	2	387	1.20	1	20.5	0
0948	AT STATION # 9		322	1.54	1	20.6	0
0950	NEW BACK @ EZ NW CORNER	N	290	1.24	1	20.6	0
	ID SHOT DOWN W/IN AREA ESTABLISHED - THOUGH READINGS WERE FROM AN OUTSIDE SOURCE.						
1030	EZ NW CORNER INLAND						
1030	EZ	UNE	287	1.47	2	20.6	0
1148	AMS#1			1.58			
1150	AMS#2						
1152	AMS#3						
1154	AMS#4						
1156	AMS#5						
1158	AMS#6						
1201	AMS#7						
1203	AMS#8						
1258	EZ NW CORNER						
	All readings suspect possible. BAD PID						
	SWITCH INSTRUMENTS NOTE TOP OF NEXT PAGE						

See note ↓



KEY FOR ABBREVIATIONS:

NOTE GOT HIGH READING SHOT DOWN
WOKK WENT OFFSITE TOOK READING
ESTABLISHED NEW BK

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 07-12-03 Performed by: Russell Aybworth

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: PHOTOVAC LEL/O₂: MSA PASS PORT

H₂S: MSA PASS PORT DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
1335	AMS#1	NNE	23.5	1.52	0	20.8	0
1337	AMS#2		13.6	2.34	0	20.8	0
1339	AMS#3		10.2	3.12	0	20.9	0
1341	AMS#4		6.6	3.51	0	20.9	0
1343	AMS#5 VACTRUCK RUNNING		4.6	4.51	0	20.9	0
1352	AMS#8		RA 5.6 16.4	RA 6.92 5.11	0	20.9	0
1353	AMS#7		12.8	5.88	0		
1356	AMS#6		14.8	4.76	0		
1345	EZ NW CORNER	NNE	5.4	3.71	0	20.9	0
1500	AMS#1 WINDS PICKED UP TRAFFIC	NNE	0.0	3.33	0	20.8	0
1502	AMS#2		6.0	3.71	0	20.8	0
1504	AMS#3 GEN. RUNNING		0.0	3.14	0	20.8	0
1506	AMS#4 TRAFFIC		0.0	3.45	0	20.8	0
1508	AMS#5		0.0	2.99	0	20.8	0
1513	AMS#9 TRAFFIC		0.2	3.26	0	20.8	0
1515	AMS#7		0.1	2.76	0	20.8	0
1517	AMS#6 TRAFFIC		0.2	3.47	0	20.8	0
1509	EZ NW CORNER		0.0	2.38	0	20.8	0

KEY FOR ABBREVIATIONS:

- BZ - Workers breathing zone
- WZ - Ambient air in work zone
- Back - Background reading in clean environments
- CR - Contact reading on specific media
- EZ - Exclusion zone boundary reading



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 08-11-03 Performed by: RUSSELL AYLSWORTH

Project Name: S/Bill. IAC Project Number: 032664

Instrument Identification/Serial Number

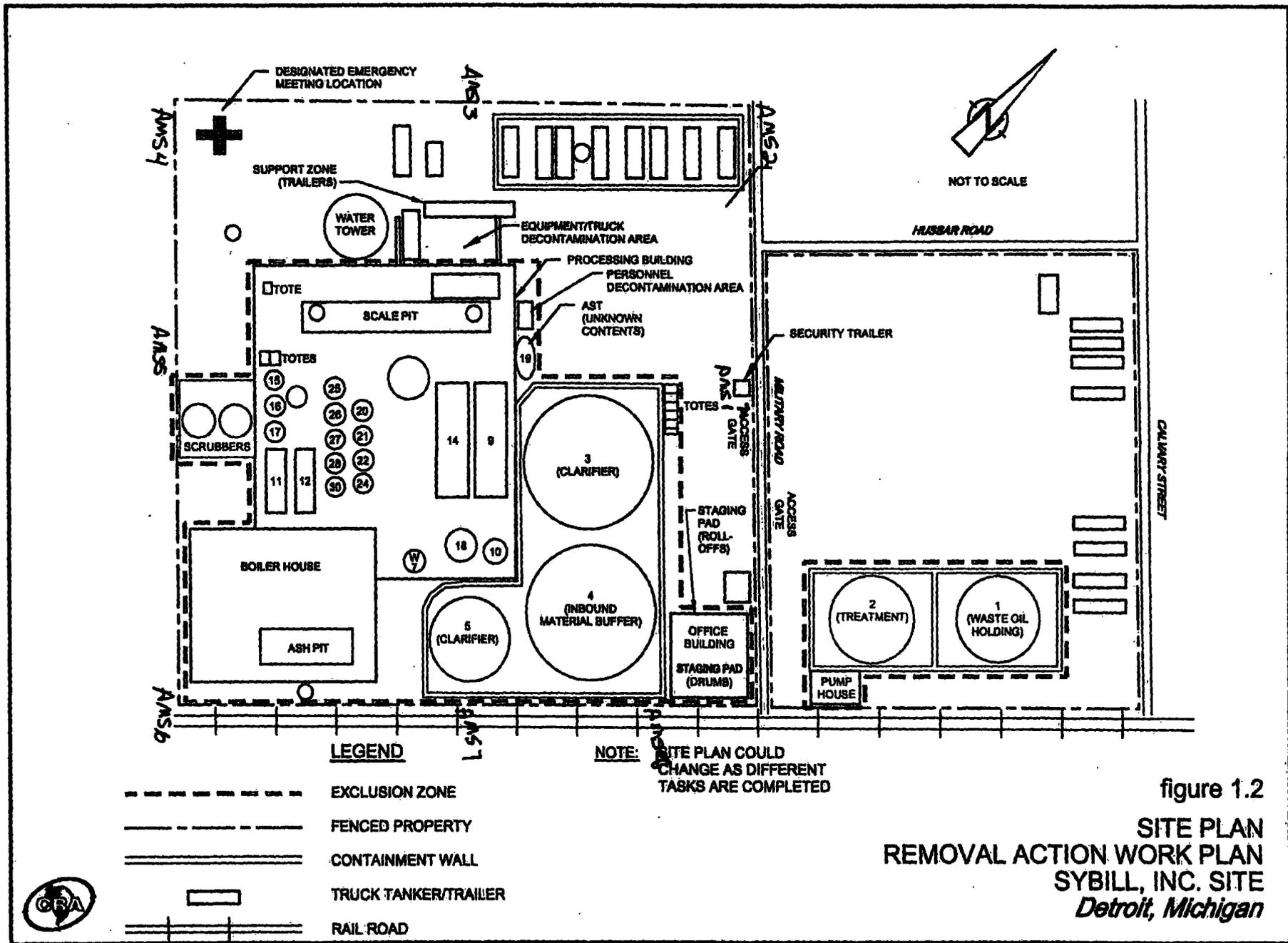
PID: MULTI RAE 503117 LEL/O₂: MULTI RAE 505117

H₂S: MULTI RAE 503117 DUST: MINI RAM PDM SMS-100

Time	Location/Comments	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0722	AMS#1 BASELINE	NNE	0.8	2.06	1	20.8	0
0724	AMS#2 " "	" "	0.0	2.21	0	20.8	0
0726	AMS#3	" "	0.2	2.08	0	20.8	0
0728	AMS#4		0.2	2.06	0	20.8	0
0731	AMS#5		0.0	2.46	0	20.8	0
0733	AMS#6		0.0	2.50	0	20.8	0
0735	AMS#7		0.0	2.52	0	20.8	0
0738	AMS#8 " "		0.0	2.65	0	20.8	0
1113	EZ	NNE	0.0	1.58	0	21.2	0
1115	AMS#1		0.0	1.85	0	21.2	0
1117	AMS#2		0.5	2.08	0	21.2	0
1119	AMS#3		0.2	1.42	0	21.2	0
1121	AMS#4 TRAFFIC MED.		0.4	2.21	0	21.2	0
1123	AMS#5 VACTRUCK RUNNING 201/RSN		6.8	2.91	0	21.2	0
1127	AMS#8		0.0	1.84	0	21.2	0
1129	AMS#7		0.0	2.06	0	21.2	0
1131	AMS#6	NNE 10/5	0.0	2.42	0	21.2	0
1145	EZ	" "	0.5	2.10	0	21.2	0
1407	EZ	" "	0.3	1.04	0	21.2	0
1410	AMS#1		0.0	2.04	0	21.2	0
1412	AMS#2		0.0	2.00	0	21.2	0

KEY FOR ABBREVIATIONS:

- EZ - Workers breathing zone
- WZ - Ambient air in work zone
- Back - Background reading in clean environments
- AAS - AIR MONITORING STATION
- VACTRUCK - VACTRUCK
- CR - Contact reading on specific media
- EZ - Exclusion zone boundary reading





DAILY AIR-MONITORING LOGSHEET

Date: 08-08-03 Performed by: Russell Aylsworth

Project Name: Sybil Inc. Project Number: 032664-30

Instrument Identification/Serial Number

PID: MULTI RAE 50317 LEL/O₂: MULTI RAE 50317

H₂S: MULTI RAE 50317 DUST: mini RAM PDR1-SNS-000701

Time	Location/Comments	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0645	BACK GROUND	W @ SMP	0	1.17	0	20.6	0
0655	AMS#1	N @ SMP	64.2	1.13	0	20.6	0
0657	AMS#2	" "	33.6	1.29	0	20.6	0
0659	AMS#3	" "	44	1.30	0	20.6	0
0701	AMS#4 TRUCK TRAFFIC	" "	46	1.45	0	20.6	0
0703	AMS#5 TRAFFIC ON STREET	" "	34	1.47	0	20.6	0
0706	AMS#8	" "	33	1.64	0	20.6	0
0708	AMS#7	" "	30	1.59	0	20.6	0
0710	AMS#6	" "	30	1.69	0	20.6	0
0830*	BACK GROUND DOWN WIND OF E2	W @ SMP	32	.50	0	20.9	0
0900	BACK-PERIMETER	" "	1.4	1.79	0	20.9	0
	AMS#1 TRUCK TRAFFIC	" "	1.3	2.00	0	20.9	0
	AMS#2 TRUCK TRAFFIC	" "	1.1	1.71	0	20.9	0
	AMS#3	" "	1.1	1.35	0	20.9	0
	AMS#4 TRUCK TRAFFIC	" "	1.2	1.90	0	20.9	0
	AMS#5	" "	1.4	.45	0	20.9	0
	AMS#8 EQUIPMENT RUNNING	" "	1.3	1.82	0	20.9	0
	AMS#7	" "	1.1	1.84	0	20.9	0
	AMS#6 HWY TRAFFIC ON STREET	" "	1.3	2.64	0	20.9	0
0900*	DW E2	" "	1.4	.97	0	20.9	0

KEY FOR ABBREVIATIONS:
* = LIGHT PLANT RUNNING

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading

AMS = AIR MONITORING STATION
@ at



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0930*	EZ	NE @ 5 MPH	1.5	2.91	0	20.9	0
1000 *	EZ	" "	1.4	2.69	0	20.9	0
1030*	EZ	" "	1.1	2.7	0	20.9	0
1100	AMS#1		0.5	1.90	0	21.0	0
1102	AMS#2 TRAFFIC ON STREET		0.5	4.38	0	21.0	0
1104	AMS#3		0.4	1.13	0	21.0	0
1105	AMS#4		0.2	4.17	0	21.0	0
1107	AMS#5		0.4	2.64	0	21.0	0
1110	AMS#8		0.5	3.44	0	21.0	0
1112	AMS#7		0.1	2.76	0	21.0	0
1115	AMS#6		0.6	3.76	0	21.0	0
1200*	EZ		0.5	1.96	0	21.1	0
1230*	EZ		0.0	1.04	0	21.1	0
1300*	EZ		0.0	.99	0	21.1	0
1304	AMS#1		0.0	.87	0	21.1	0
1306	AMS#2 TRAFFIC ON STREET		0.0	3.76	0	21.0	0
1308	AMS#3		0.0	3.84	0	21.1	0
1310	AMS#4 HEAVY TRAFFIC		0.0	2.56	0	21.1	0
1312	AMS#5 TRUCK TRAFFIC ON STREET	0.0	3.47	0	21.1	0	
1316	AMS#8	0.0	4.88	0	21.0	0	
1318	AMS#7	0.3	2.98	0	21.0	0	

KEY FOR ABBREVIATIONS:

EZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

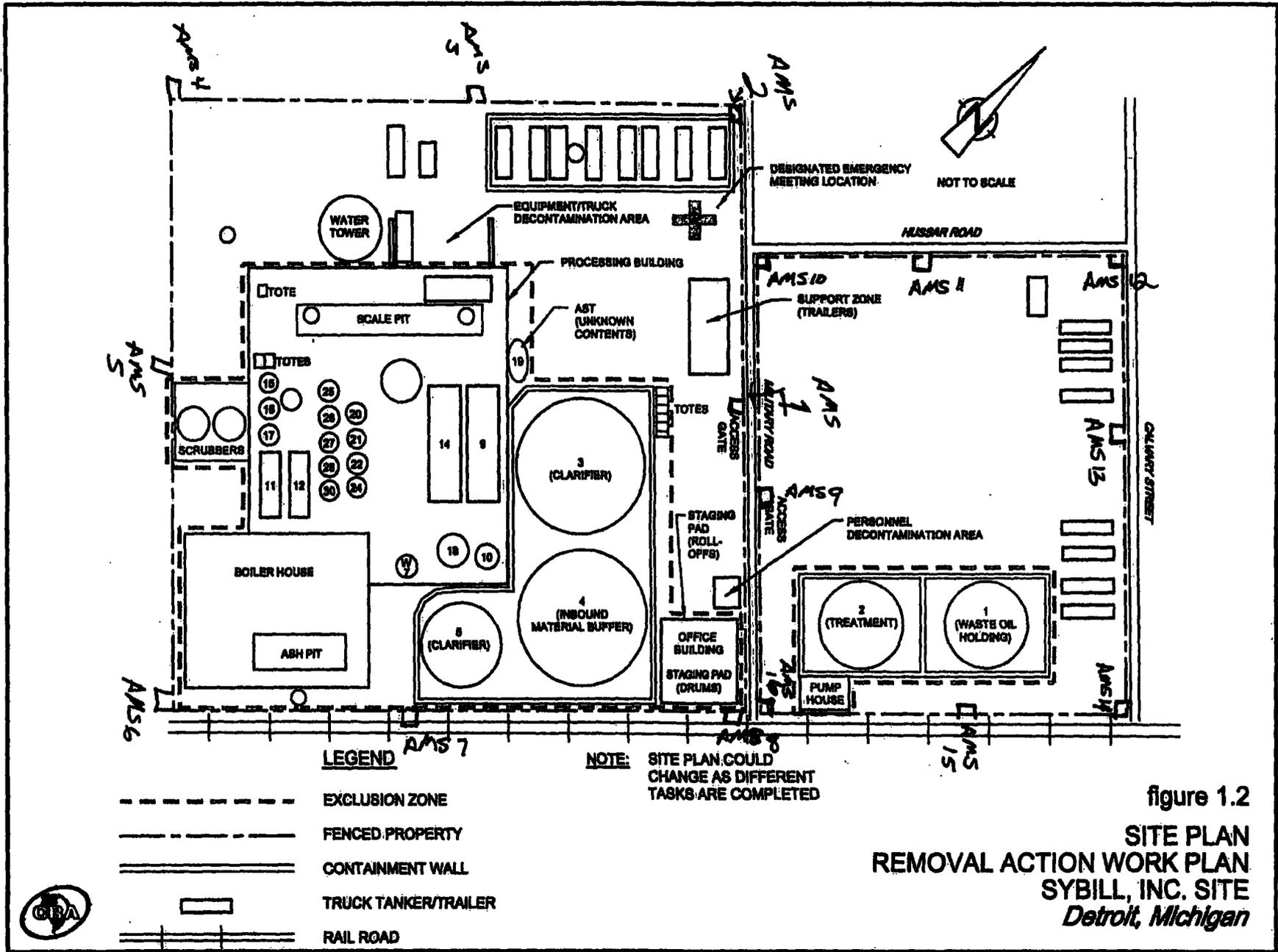
PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID VOC'S (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
1320	AMS#6 TRAFFIC ON STREET	NE E5	0.0	3.70	0	21.0	0
1330	*EZ		0.2	1.84	0	21.2	0
1500	AMS#1 TRAFFIC ON STREET		0.6	3.28	0	21.2	0
1502	AMS#2 " "		0.3	3.70	0	21.1	0
1504	AMS#3		0.2	1.87	0	21.1	0
1505	AMS#4		0.4	1.41	0	21.1	0
1507	AMS#5 TRAFFIC ON STREET		0.5	4.99	0	21.1	0
1509	AMS#8 TRAFFIC ON STREET		0.2	6.09	0	21.1	0
1511	AMS#7		0.2	5.06	0	21.1	0
1513	AMS#6		0.2	5.53	0	21.1	0
1509	*EZ		0.3	5.48	0	21.1	0
1530	*EZ		0.0	1.48	0	21.1	0
1600	*EZ		0.1	1.36	0	21.1	0

KEY FOR ABBREVIATIONS:

- BZ - Workers breathing zone
- WZ - Ambient air in work zone
- Back - Background reading in clean environments
- CR - Contact reading on specific media
- EZ - Exclusion zone boundary reading





**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: 09-07-03

Performed by: Russell A. H. Smith

Project Name: SYBILL INC

Project Number: 032664-30

Instrument Identification/Serial Number

PID: MULTI-RAE 50317

LEL/O₂: MULTI RAE 50317

H₂S: MULTI-RAE 50317

DUST: MINI RAM PDM-SMS - U00106X

Time	Location/Comments <i>See 4 to 114 CID? MID 705</i>	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
0810	AMS#1 BASE LINE/BACK	NW	0	1.16	0	21.1	0
0812	AMS#2 "see note"	SAA	0	.82	0	21.1	0
0815	AMS#3 see note	SAA	0	.76	0	21.1	0
0817	AMS#4 TRUCK TRAFFIC ON STREET	SAA	0	.67	0	21.1	0
0820	AMS#5 SAA	SAA	0	.63	0	21.1	0
0825	AMS#6 BLDG BLDG WIND	S	0	.51	0	21.1	0
0829	AMS#7	NW	0	.47	0	21.1	0
	AMS#6 TRAFFIC ON STREET	NW	0	.57	0	21.1	0
0857	BASE LINE IN WZ OF OFFICE BLDG						
0820	1 ST FLOOR MAIN ROOM	0	0	.22	0	21.2	0
0825	1 ST FLOOR COMPRESSOR RM	0	0	.15	0	21.2	0
0827	1 ST FLOOR E/E SHAFT	0	0	.43	0	21.2	0
0829	1 ST FLOOR MAIN AREA	0	0	.27	0	21.2	0
0835	2 ND FLOOR MAIN OFFICE	0	0	.15	0	21.1	0
0837	2 ND FLOOR E/E SHAFT	0	0	.15	0	21.2	0
0840	2 ND FLOOR LAB	WNWSWN	0	.22	0	21.1	0

KEY FOR ABBREVIATIONS:

AMS#2 & TANK TRAILER SA-TANK
TRUCK UPWIND
AMS#3 2 COVERED ROLL OFF'S & 1 BOX TRAILER UPWIND

BZ - Workers breathing zone
WZ - Ambient air in work zone
Back - Background reading in clean environments

CR - Contact reading on specific media
EZ - Exclusion zone boundary reading
SAA SAME AS ABOVE
AMS = AIR MONITORING STATION



**CONESTOGA-ROVERS
& ASSOCIATES**

DAILY AIR-MONITORING LOGSHEET

Date: _____ Performed by: _____

Project Name: _____ Project Number: _____

Instrument Identification/Serial Number

PID: _____ LEL/O₂: _____

H₂S: _____ DUST: _____

Time	Location/Comments	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
1334	AMS#1	0 5 MPH	0	.13	0	21.2	0
1336	AMS#2	" "	0	.07	0	21.2	0
1340	AMS#3 TRAFFIC ON STREET	" "	0	.48	0	21.2	0
1342	AMS#4 GEN-RUNNING	" "	0	.49	0	21.2	0
1344	AMS#5 TRAFFIC ON STREET	" "	0	.38	0	21.2	0
1348	AMS#6		0	.42	0	21.2	0
1350	AMS#7		0	.30	0	21.2	0
1352	AMS#8B		0	.46	0	21.2	0
1518	AMS#1		0	.56	0	21.4	0
1520	AMS#2		0	.04	0	21.4	0
1522	AMS#3 TRAFFIC ON STREET		0	.95	0	21.4	0
1524	AMS#4 " "		0	.82	0	21.4	0
1526	AMS#5 " "		0	.47	0	21.4	0
1530	AMS#6 " "		0	.12	0	21.4	0
1533	AMS#7 " "		0	.19	0	21.4	0
1536	AMS#8 " "		0	.15	0	21.4	0

KEY FOR ABBREVIATIONS:

- BZ - Workers breathing zone
- WZ - Ambient air in work zone
- Back - Background reading in clean environments
- CR - Contact reading on specific media
- EZ - Exclusion zone boundary reading



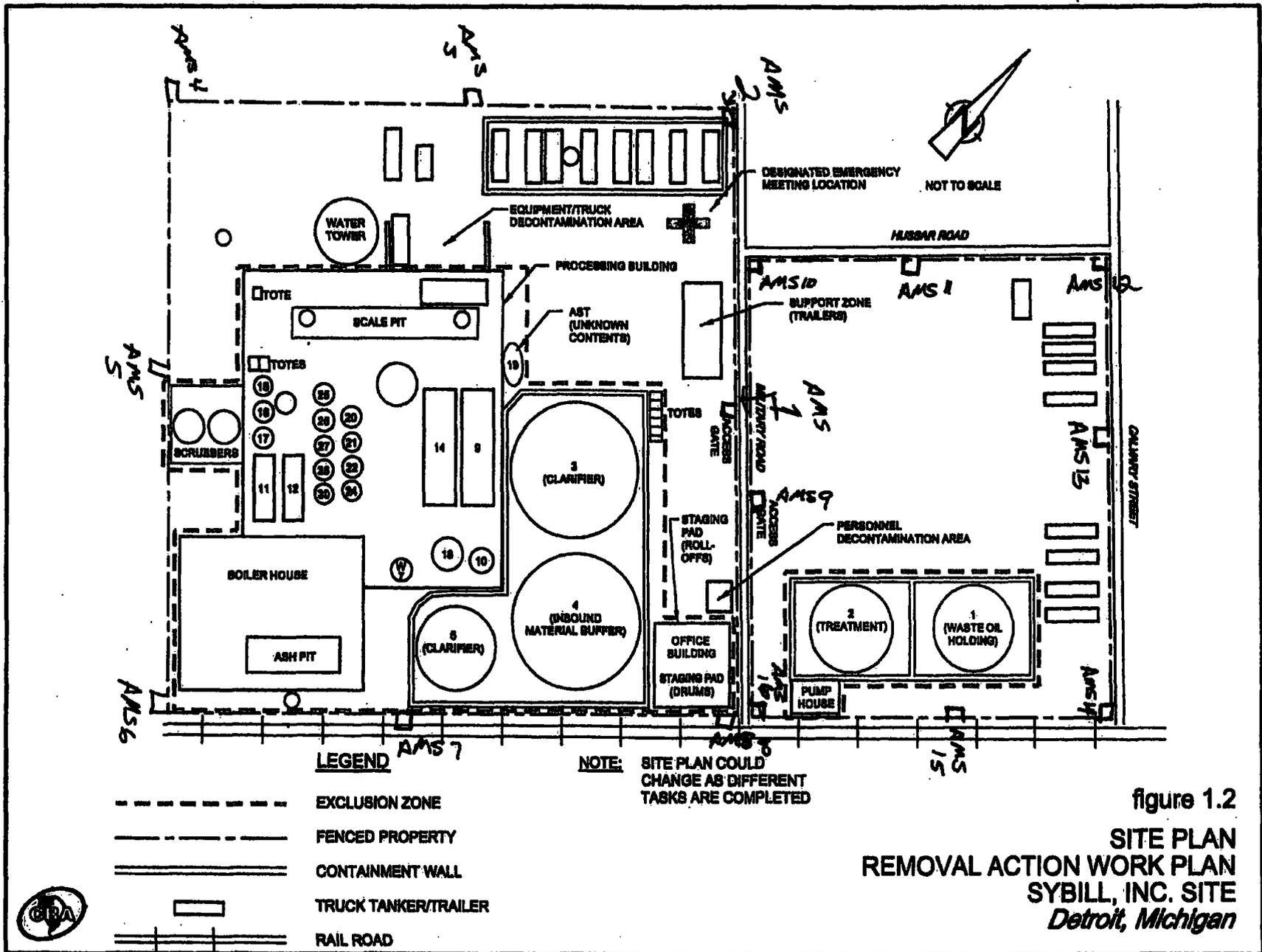
DAILY AIR-MONITORING LOGSHEET (Continued)

Time	Location	Wind From	PID (ppm)	DUST (mg/m ³)	LEL	O ₂	H ₂ S (ppm)
11:00	AMS#1	UNWD 3 MPH	0	.03	0	21.1	0
11:04	AMS#2 SEE NOTES	" "	0	.07	0	21.1	0
11:06	AMS#3	" "	0	.57	0	21.2	0
11:09	AMS#4 TRAFFIC ON STREET	" "	0	.34	0	21.2	0
11:10	AMS#5 NEXT TO DUMPSTER	" "	0	1.06	0	21.2	0
11:13	AMS#6 TRAFFIC ON STREET	" "	0	.83	0	21.2	0
11:15	AMS#7	" "	0	.58	0	21.2	0
11:17	AMS#6 TRAFFIC ON STREET	" "	0.1	.66	0	21.2	0

END OF DAY TOTALS	*	PEAK READING	AVERAGE READING	COMMENTS
PID		.1	.0058125	
DUST		1.16	.50	
LEL		0	0	
O ₂		21.4	21.21025%	
OTHER				

* Differentiate the location of the readings using the appropriate codes (i.e., BZ, WZ, CR, EZ, etc.).

KEY FOR ABBREVIATIONS:
 BZ - Workers breathing zone CR - Contact reading on specific media
 WZ - Ambient air in work zone EZ - Exclusion zone boundary reading
 Back - Background reading in clean environments



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